



Australian Government

AUR40320 Certificate IV in Motor Sport Technology

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Modification History

Release	Comments
3	Superseded elective units updated
2	This version first released with AUR Automotive Retail, Service and Repair Training Package Version 6.1. The following elective units of competency have been deleted as directed by the AISC: • AURMMA005 Manage team pit lane and service area operations at motor sport events • AURMMA006 Develop and implement race strategies for motor sport events • AURTTX010 Overhaul hydrostatic transmissions. The above training products were identified as having zero enrolments over a three year period.
1	This qualification was first released in AUR Automotive Retail, Service and Repair Training Package Release 6.0.

Qualification Description

This qualification reflects the role of individuals who perform as team leaders and supervisors in the motor sport industry.

Licensing/Regulatory Information

No licensing, legislative or certification requirements apply to this qualification at the time of publication.

Entry Requirements

Those undertaking the Certificate IV in Motorsport Technology must have completed AUR30920 Certificate III in Motor Sport Technology or be able to demonstrate equivalent competency.

Packaging Rules

Total number of units = 10

1 core unit, plus

9 elective units, of which:

- all **9** units may be from the elective units listed below
- up to **2** units may be from a Certificate III qualification or above in this Training Package or another endorsed Training Package or accredited course.

Elective units chosen must be relevant to the work environment and the qualification, maintain the overall integrity of the AQF alignment, not duplicate the outcome of another unit chosen for the qualification, and contribute to a valid vocational outcome.

Core Units

- BSBWHS411 Implement and monitor WHS policies, procedures and programs

Elective Units

- AURAMA006 Contribute to planning and implementing business improvement in an automotive workplace
- AURETR112 Test and repair basic electrical circuits
- AURETR123 Diagnose and repair spark ignition engine management systems
- AURLTB001 Overhaul light vehicle braking system components
- AURLTD105 Diagnose and repair light vehicle suspension systems
- AURLTQ101 Diagnose and repair light vehicle final drive assemblies
- AURLTQ102 Diagnose and repair light vehicle drive shafts
- AURLTX101 Diagnose and repair light vehicle manual transmissions
- AURMCA101 Manage motor sport team media liaison
- AURMCA102 Manage motor sport team promotional partnerships and marketing
- AURMGA102 Manage personal presentation and development in a motor sport environment
- AURMKA001 Manage motor sport data
- AURMMA102 Manage the preparation of motor sport competition vehicles
- AURMMA103 Manage motor sport operations
- AURMMA104 Manage motor sport team development
- AURMTA007 Conduct non-destructive testing
- AURMTA008 Apply aerodynamic and vehicle dynamic principles and effects to competition vehicles
- AURMTA103 Determine material suitability for competition vehicle components

- AURMTA109 Collect and log motor sport data
- AURMTD001 Test suspension dampers using a dynamometer
- AURMTD002 Prepare competition vehicle suspension
- AURMTE101 Test engines using a dynamometer
- AURMTF001 Analyse and repair performance carburetted fuel systems
- AURMTF002 Analyse and repair performance fuel injection systems
- AURMTJ001 Select and prepare motor sport competition vehicle tyres and wheels
- AURMTQ101 Analyse and repair faults in performance driveline systems
- AURTTA121 Diagnose complex system faults
- AURTTD004 Inspect and service suspension systems
- AURTTD005 Overhaul steering system components
- AURTTE005 Overhaul engines
- AURTTF003 Overhaul diesel fuel injection system components
- AURTTF007 Overhaul carburettor fuel system components
- AURTTF101 Inspect and service petrol fuel systems
- AURTTF106 Diagnose and repair petrol carburettor systems
- AURTTQ004 Overhaul final drive assemblies
- AURTTX007 Overhaul clutch assemblies
- AURTTX008 Overhaul manual transmissions
- AURTTX009 Overhaul automatic transmissions
- AURTTX011 Overhaul torque converters
- MEM30012 Apply mathematical techniques in a manufacturing engineering or related environment
- SISSPAR006 Prepare and present athlete sponsorship proposals
- SITXMPR015 Obtain and manage sponsorship

Pre-requisite Requirements

There are no prerequisite requirements for this qualification.

Qualification Mapping Information

Current Code and Title	Previous Code and Title	Comments	Equivalence
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AUR40320 Certificate IV in Motor Sport Technology	AUR40316 Certificate IV in Motor Sport Technology		Equivalent
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Links

Companion volumes, including implementation guides, are found on the national training register - <https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=b4278d82-d487-4070-a8c4-78045ec695b1>.